

## 05.21.06 OIL AND GAS EQUIPMENT AND TECHNOLOGIES

The demand for competent specialists in the field of oil and gas industry technology and engineering is not decreasing. After all, even with the transition to highly efficient, low-staffed technologies, companies need qualified personnel who support the smooth operation of all systems of complex multi-stage production. Choosing this profession is an excellent investment in your own future: having gained rich production experience, proven specialists often head a division or branch of a large company.

### **The scope of professional activity includes:**

- engineering support for the development of hydrocarbon deposits based on the use of innovative science-intensive technologies;
- methodologies and methods of design and construction, implementation of modern automation systems in oil and gas production;
- management and safety of technological processes and production of fuel energy facilities, including the development and exploitation of deposits with hard-to-recover reserves, construction of pipelines, transportation, storage and distribution of hydrocarbons.

### **Where will they teach?**

Oil and gas engineering and technology is one of the areas of the oil and gas faculty of USTU.

Duration of full-time study is 5 years 6 months.

The duration of study in full-time and part-time forms is 6 years.

### **Number of seats:**

**57 budget places for full-time education,**

**10 places under the agreement on the provision of paid educational services in full-time education,**

**28 budget places for part-time and full-time education,**

**105 places under the agreement on the provision of paid educational services in full-time and part-time education.**

Training is provided in the following specializations:

Development and exploitation of oil and gas fields

Design, construction and operation of gas and oil pipelines and gas and oil storage facilities

Oil and gas well drilling

Machinery and equipment for oil and gas fields.

### **What will you learn:**

- ✓ development and operation of liquid and gaseous hydrocarbon deposits, as well as ensuring the functioning of equipment and technical systems for oil and gas production;
- ✓ drafting and analysis of documents regulating the procedure for performing hazardous work, as well as regulatory documents for particularly hazardous and technically complex types of work;
- ✓ the structure of the processes of drilling, construction and installation of oil and gas wells, operation and maintenance of equipment.

### **Future professions:**

- Oil pipeline flaw detector
- Director of the oil depot (manager of the oil depot)
- Oil Refinery Dispatcher
- Process control system engineer (process control system specialist)
- Automation Engineer (Automation Specialist)
- Engineer for automation of technological processes and production
- Drilling Engineer
- Engineer for technological support of oil and gas production
- Compressor Station Operation Engineer
- Engineer for operation of linear pipelines
- Pumping station operation engineer
- Gas pipeline diagnostic engineer (specialist in diagnostics of the linear part of main gas pipelines)
- Designer of oil and gas equipment
- Manager of oil and gas projects.